

Memorandum

To: **Smita Deshpande, Chief**
Senior Environmental Planner

Date: August 2, 2017

& **Ferdinand Agayani, Chief**
Advance Planning- Project Studies, Branch B

From: **DEPARTMENT OF TRANSPORTATION**
District 12- Division of Project Deliver
Environmental Engineering

File: 12-ORA-74
PM: 11.50/13.28 &
PM 13.33/16.60
EA: 0P0300
EFIS; 1215000024

Subject: Initial Site Assessment for SR-74 (Ortega Highway), from 0.8 mile West of San Juan Hot Springs Canyon (PM 11.50) to the Orange County/ Riverside County line (PM 16.60), Excluding San Juan Canyon Bridge, No. 55-00064 (PM 13.29), in the City of San Juan Capistrano, within Unincorporated Area of the County of Orange and Cleveland National Forest.

Dear Smita,

Based on a review of the available data, documents and the site visual observation the following is an Initial Site Assessment (ISA).

In order to complete the Initial Site Assessment, we have visited the project site on June 28, & August 1, 2017 and performed visual site inspection of the project location, (the completed ISA checklist is enclosed for your reference). Based on our findings and review of the following documents, no evidence of known hazardous waste contamination that may impact the project was observed. In addition the subject site is categorically exempt from hazardous waste point of view.

An Aerially Deposited Lead (ADL) Investigation shall be performed during the design phase of the project within the Unpaved and Paved areas of the site. The result of findings and recommendations of the ADL report shall be included in the PS&E package. During the early stage of design, the Project Engineer should send a request directly to Environmental Engineering for soil lead investigation.

If you have any further questions, please call David Yaghoubi at (657) 328-6168



**REZA AURASTEH, Chief
Environmental Engineering**

References;

- 1. Project Initiation Report....., Prepared by Thanh Cong Nguyen, dated October 25, 2016.***
- 2. State of California, Department of Transportation, Project Plans....., Author unknown, date printed, June 21, 2016.***

Enclosure: ISA

C: Gabriela Jauregui, Associate Environmental Planner
David Yaghoubi, Environmental Engineering

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY IN ORANGE COUNTY IN THE CITY OF SAN JUAN CAPISTRANO AND CLEVELAND NATIONAL FOREST FROM 0.9 MILE WEST OF SAN JUAN FIRE STATION TO ORANGE/RIVERSIDE COUNTY LINE

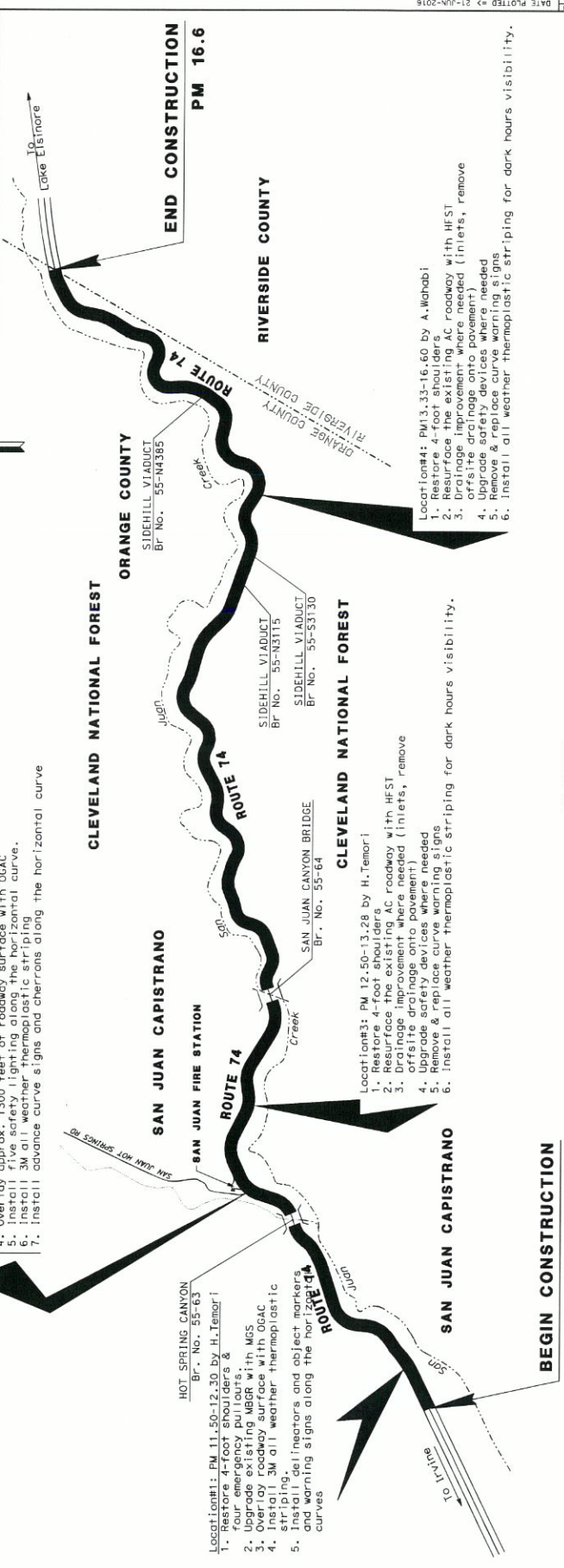
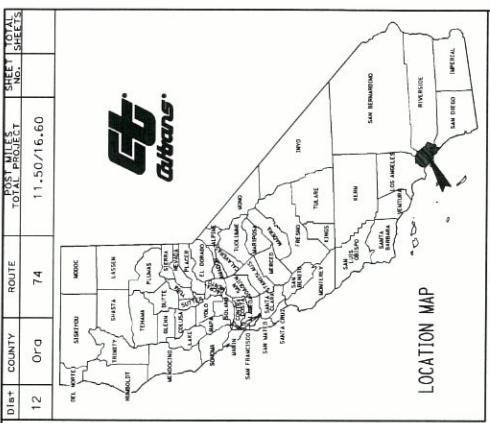
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

- Location#2: PM 12.30-12.50 by H.Temari
 1. Restore 4-foot shoulders & four emergency pullouts.
 2. Upgrade existing MBGR with OGAC striping 3M all weather thermoplastic striping along the horizontal curves.
 3. Construct 100 feet of MGS with gating Terminal Syst along the outside edge of shoulder to prevent errant van from entering the Fire Station
 4. Overlay approx. 1300 feet of roadway surface with OGAC
 5. Install five safety lighting along the horizontal curve.
 6. Install 3M all weather thermoplastic striping
 7. Install advance curve signs and cherrons along the horizontal curve

- Location#1: PM 11.50-12.30 by H.Temari
 1. Restore 4-foot shoulders & four emergency pullouts.
 2. Upgrade existing MBGR with OGAC striping 3M all weather thermoplastic striping along the horizontal curves
 3. Install delineators and object markers and warning signs along the horizontal curves

- Location#3: PM 12.50-13.28 by H.Temari
 1. Restore 4-foot shoulders
 2. Resurface the existing AC roadway with HEST
 3. Drainage improvement where needed (inlets, remove offsite drainage onto pavement)
 4. Upgrade safety devices where needed
 5. Remove & replace curve warning signs
 6. Install all weather thermoplastic striping for dark hours visibility.

- Location#4: PM 13.33-16.60 by A.Mahabi
 1. Restore 4-foot shoulders
 2. Resurface the existing AC roadway with HEST
 3. Drainage improvement where needed (inlets, remove offsite drainage onto pavement)
 4. Upgrade safety devices where needed
 5. Remove & replace curve warning signs
 6. Install all weather thermoplastic striping for dark hours visibility.



**BEGIN CONSTRUCTION
PM 11.50**

NO SCALE
FOR PIR WORK ONLY

LOCATION MAP

THANH NGUYEN	DESIGN ENGINEER
MOOSHIN YOOSSEFI	PROJECT MANAGER

BORDER LAST REVISED 9/30/2012	CALTRANS WEB SITE IS: HTTP://WWW.DOT.CA.GOV/	RELATIVE BORDER SCALE 0 1 2 3 15 IN INCHES	USER NAME => a128892 DWG FILE => 1111a Sheet.dgn	UNIT 2981	PROJECT NUMBER & PHASE 1215000024-K
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Initial Site Assessment (ISA) Checklist

Project Information

District 12 County ORA 74, (Ortega Highway), Between 0.8 mile west of the San Juan Hot Springs Canyon (PM 11.50), and Orange County/ Riverside County Line (PM 16.60), Excluding San Juan Canyon Bridge No. 55-00064 (PM 13.29). San Juan Capistrano, Orange County CA, EA: 0P030K. EFIS: 1215000024.

Description: Initial Site Assessment

Proposed improvement: The scope of this project is to restore the existing shoulders to a continuous 4-foot wide shoulders in both directions, improve existing non-standard super elevation along the horizontal curve at the San Juan Fire Station (PM 12.30/12.50) to standard super elevation with 10 foot shoulders, upgrade and construct emergency pullout where feasible, improve existing drainage systems to remove offsite runoff onto the pavement, overlay the existing pavement, upgrade existing metal beam guard rails, install new safety lightings, and construct new retaining walls. The total length of the project is roughly 5.1 miles, reportedly the existing San Juan Bridge is excluded from improvements. The proposed widening and grading will include cuts and fills slopes.

Is the project on the HW Study Minimal-Risk Projects List (HW1)? NO.

Project Manager: Ahmed Abou-Abdou _____ phone # (657) 328 6296

Project Engineer: Thanh Cong Nguyen phone # (657) 328 6283

Project Screening

Attach the project location map to this checklist to show location of all known and/or potential HW sites identified.

1. Project Features: New R/W? YES Excavation? YES Railroad Involvement? NO
Structure demolition/modification? NO subsurface utility relocation? YES

2. Project Setting: Ortega Highway (SR-74)

The above bridges are located in Orange County, Cities of Costa Mesa, Buena Park and Irvine.

Rural or Urban Rural

Current land uses Rural Highway

Adjacent land uses

U.S. Forestry Service, County of Orange (Orange County Harbor and Beaches, vacant properties, and a Fire Station.

3. Check federal, State, and local environmental and health regulatory agency records as necessary, to see if any known hazardous waste site is in or near the project area. If a known site is identified, show its location on the attached map and attach additional sheets, as needed, to provide pertinent information for the proposed project.
4. Conduct Field Inspection. Date June 20, 2017, and August 1, 2017.

STORAGE STRUCTURES / PIPELINES:

Underground tanks No. Existing Septic Tank No Surface tanks No

Sumps No Ponds No

Drums No Basins No

Transformers No Landfill No

Other:

Initial Site Assessment (ISA) Checklist

(continued)

CONTAMINATION: (spills, leaks, illegal dumping, etc.)

Surface staining No Oil sheen No

Odors No Vegetation damage No

Other _____

HAZARDOUS MATERIALS: (asbestos, lead, etc.) Aerially Deposited Lead may exist within the project area.

Buildings _____ Spray-on fireproofing _____

Pipe wrap _____ Friable tile _____

Acoustical plaster _____ Serpentine _____

Paint _____ Other _____

5. Additional record search, as necessary, of subsequent land uses that could have resulted in a hazardous waste site. Use the attached map to show the location of potential hazardous waste sites.
6. Other comments and/or observations:
7. **DISCLOSURE DOCUMENT**

ISA Determination

Does the project have potential hazardous waste involvement? **No** if there is known or potential hazardous waste involvement, is additional ISA work needed before task orders can be prepared for the Investigation? NO If "YES," explain; then give an estimate of additional time required:

An Aerially Deposited Lead (ADL) Investigation shall be performed during the design phase of the project within the Unpaved and Paved areas of the other two projects. The result of findings and recommendations of the ADL report shall be included in the PS&E package. During the early stage of design, the Project Engineer should send a request directly to Environmental Engineering for soil lead investigation.

A brief memo should be prepared to transmit the ISA conclusions to the Project Manager and Project Engineer.

ISA Conducted by David Yaghoubi **Date** 8/1/17